

PLEASE NOTE

This image contains more than one label approved for this product on this date.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

March 30, 2004

Rhonda Vance-Moeser
Senior Regulatory Specialist
The Dow Chemical Company
1803 Building
Midland, MI 48674

Subject: Antimicrobial 7287
EPA Registration No. 464-426
Application Date: February 27, 2004
EPA Received Date: March 2, 2004

Dear Ms. Vance-Moeser:

This acknowledges receipt of your notification, submitted under the provision of PR Notice 98-10, FIFRA section 3(c)9.

Proposed Amendment

- Alternate Brand Name "BIOBAN DB-20"

General Comments

Based on a review of the material submitted, the following comments apply:

The notification application is acceptable and a copy has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact me at 703-308-6422.

Sincerely,

Adam Heyward
Product Manager 34
Regulatory Management Branch II
Antimicrobials Division (7510 C)

CONCURRENCES							
SYMBOL	7510C						
SURNAME	Heyward						
DATE	3-2004						

EPA Form 1320-1A (1/90)

Printed on Recycled Paper

OFFICIAL FILE COPY

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2/4

1803 Building
February 27, 2004

The Dow Chemical Company
Midland, Michigan 48674

Express Mail

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U. S. Environmental Protection Agency
Room 266A, Crystal Mall 2
Arlington, VA 22202-4501
Attn: Adam Heyward

NOTIFICATION
Date Reviewed: _____
Reviewed By: _____

RE: NOTIFICATION – ALTENATE BRAND NAME -- EPA REG. NO. 464-426

Dear Mr. Heyward:

The Dow Chemical Company (Dow) hereby submits a Notification to add an alternate brand name to the registration of Antimicrobial 7287. The alternate brand name will be BIOBAN DB-20. The label for BIOBAN DB-20 will contain one use site, metal working fluids.

This alternate brand name is being requested with the single use site to support our marketing strategy for the metal working fluids industry.

The following documents are enclosed in support of this Notification:

1. Application for Pesticide Registration, Form 8570-1
2. Two copies of the printed label.

Please feel free to contact me if you have any questions or need additional information regarding this Notification.

Sincerely,

Rhonda Vance-Moeser
Senior Regulatory Specialist
Dow Biocides
(989) 636-1884
e-mail: rgvmoeser@dow.com

Enclosures



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
 3/4

Application for Pesticide - Section I

1. Company/Product Number 464-426	2. EPA Product Manager Adam Heyward	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow Chemical / Antimicrobial 7287	PM# 34	
5. Name and Address of Applicant (Include ZIP Code) The Dow Chemical Company 1803 Building Midland, MI 48674 Attn: Rhonda Vance-Moeser <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION Date Reviewed: _____ Reviewed By: _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification per PR Notice 98-10 for alternate brand name of Antimicrobial 7287. Alternate brand name will be BIOBAN DB-20 & have one label use. "This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 55 gallons/ 300 gallons/ 8 oz		5. Location of Label Directions <input checked="" type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Rhonda Vance-Moeser	Title Senior Regulatory Specialist	Telephone No. (Include Area Code) (989) 636-1884
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Rhonda Vance-Moeser</i>	3. Title Senior Regulatory Specialist	
4. Typed Name Rhonda Vance-Moeser	5. Date <i>February 27, 2004</i>	

BIOBAN DB-20

Controls bacteria, fungi and yeasts in metalworking fluids containing water.

FOR INDUSTRIAL USE ONLY

Active Ingredient(s):
2,2-Dibromo-3-nitropropionamide20%
Inert Ingredient(s):80%
Total 100%

E.P.A. Registration No. 464-426
E.P.A. Est. 464-MI-1

KEEP OUT OF REACH OF CHILDREN

DANGER

Precautionary Statement Hazards to Humans & Domestic Animals DANGER

Corrosive. Causes irreversible eye damage or skin burns. Do not get in eyes, on skin or on clothing. May cause loss of vision. Fatal if absorbed through skin. Harmful if swallowed or inhaled. Avoid breathing vapor. Wear goggles or face shield (safety glasses). Wear protective clothing (long-sleeve shirt and long pants, socks plus shoes and chemical resistant gloves such as waterproof gloves.) Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

FIRST AID:	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 30 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor.
HOT LINE NUMBER	
IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect (989)636-4400. Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment, or disposal of wastes. NOTE: Do not discharge effluent containing this product into lakes, streams, ponds,

estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PESTICIDE STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Storage: To maintain product quality, store at temperatures below 60°C. Keep container tightly closed when not in use.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with the labeling.

NOTE: ADD Antimicrobial 7287 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES. IN ORDER TO AVOID DECOMPOSITION OF Antimicrobial 7287 DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS

METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100-1:4. For controlling (or inhibiting) the growth of bacteria, fungi, and yeasts that may deteriorate metalworking fluids containing water, add Antimicrobial 7287 to the fluid in the collection tank. Additions should be made with a metering pump. INITIAL or SLUG DOSE: When the system is just noticeably fouled, add 0.25 gal Antimicrobial 7287/1,000 gal of metalworking fluid to the system. Repeat until control is achieved. SUBSEQUENT DOSE: When microbial control is evident, add 0.1-0.2 gal Antimicrobial 7287/1,000 gal of metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

NOTIFICATION

Date Reviewed: 2-20-04
Reviewed By: SGruay

NOTIFICATION

Date Reviewed: 5-20-04
Reviewed By: SGruay

NOTIFICATION

Date Reviewed: 5-20-04
Reviewed By: SGruay



THE DOW CHEMICAL COMPANY

Midland, Michigan 48874 U.S.A.
(989)636-4400

* Trademark of THE DOW CHEMICAL COMPANY



NOTICE

Do Not Ship or Store with Food,
Feeds, Drugs, or Clothing

Notice: Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

NEXT

LABEL

464-426

03/30/2004



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

March 30, 2004

Rhonda Vance-Moeser
Senior Regulatory Specialist
The Dow Chemical Company
1803 Building
Midland, MI 48674

Subject: Antimicrobial 7287
EPA Registration No. 464-426
Application Date: February 27, 2004
EPA Received Date: March 2, 2004

Dear Ms. Vance-Moeser:

This acknowledges receipt of your notification, submitted under the provision of PR Notice 98-10, FIFRA section 3(c)9.

Proposed Amendment

- Revised Storage and Disposal Statements

General Comments

Based on a review of the material submitted, the following comments apply:

The notification application is acceptable and a copy has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact me at 703-308-6422.

Sincerely,

Adam Heyward
Product Manager 34
Regulatory Management Branch II

CONCURRENCES Antimicrobials Division (7510 C)

SYMBOL	7510C						
SURNAME	Heyward						
DATE	3-30-04						

34

2/4



1803 Building
February 27, 2004

The Dow Chemical Company
Midland, Michigan 48674

Express Mail

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U. S. Environmental Protection Agency
Room 266A, Crystal Mall 2
Arlington, VA 22202-4501
Attn: Adam Heyward

NOTIFICATION
Date Reviewed: 3-30-04
Reviewed By: SCVW

RE: NOTIFICATION - ANTIMICROBIAL 7287 -- EPA REG. NO. 464-426

Dear Mr. Heyward:

The Dow Chemical Company (Dow) hereby submits a Notification to change the storage and disposal statement. We request to remove the following statement from the label:

"Reusable Portable Containers (Totes): Do NOT rinse containers. Do not put any other material(s) in containers. Seal all openings with proper fittings and clean outside of container. Then return container to The Dow Chemical Company."

This is being requested because the product is **not shipped in returnable totes**. The product is shipped in only one way totes and the container disposal statement on the label would be applicable to the actual tote containers the product is shipped in.

The following documents are enclosed in support of this Notification:

1. Application for Pesticide Registration, Form 8570-1
2. Two copies of the final printed label.

Please feel free to contact me if you have any questions or need additional information regarding this Notification.

Sincerely,

Rhonda Vance-Moeser
Senior Regulatory Specialist
Dow Biocides
(989) 636-1884
e-mail: rgvmoeser@dow.com

Enclosures



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

3/4

Application for Pesticide - Section I

1. Company/Product Number 464-426	2. EPA Product Manager Adam Heyward	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow Chemical / Antimicrobial 7287	PM# 34	
5. Name and Address of Applicant (Include ZIP Code) The Dow Chemical Company 1803 Building Midland, MI 48674 Attn: Rhonda Vance-Moeser <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION Date Reviewed: <u>3-20-04</u> Reviewed By: <u>SGV</u>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Notification of change in storage and disposal statement per PR Notice 98-10. Refer to cover letter for verbiage to be removed.
 "This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46 and not other changes have been made to the labelling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46., this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input checked="" type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 55 gallons / 300 gallons / 8 oz	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled		5. Location of Label Directions <input checked="" type="checkbox"/>	
		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Rhonda Vance-Moeser	Title Senior Regulatory Specialist	Telephone No. (Include Area Code) (989) 636-1884
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Rhonda Vance-Moeser</i>	3. Title Senior Regulatory Specialist	
4. Typed Name Rhonda Vance-Moeser	5. Date <i>Feb 27, 2004</i>	

ial 7287

FIRST AID:	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 30 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor.
HOT LINE NUMBER	
IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect (989)636-4400. Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

PESTICIDE STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Storage: To maintain product quality, store at temperatures below 60°C. Keep container tightly closed when not in use.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100-1:4.

For controlling (or inhibiting) the growth of bacteria, fungi, and yeasts that may deteriorate metalworking fluids containing water, add Antimicrobial 7287 to the fluid in the collection tank. Additions should be made with a metering pump.

INITIAL or SLUG DOSE: When the system is just noticeably fouled, add 0.25 gal Antimicrobial 7287/1,000 gal of metalworking fluid to the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.1-0.2 gal Antimicrobial 7287/1,000 gal of metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

ENHANCED OIL RECOVERY SYSTEMS

For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts, and fungi in oil field water, polymer or micellar floods, water-deposit systems, or other oil field water systems, add 1-80 ppm Antimicrobial 7287 (0.1-6.4 gal Antimicrobial 7287 per 2400 barrels of water) depending on the severity of contamination. Additions should be made with a metering pump either continuously or intermittently.

CONTINUOUS FEED METHOD
When the system is noticeably fouled, add 10-80 ppm Antimicrobial 7287 (0.8-6.4 gal Antimicrobial 7287 per 2400 barrels of water) continuously until the desired degree of control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 1-1.2 gal Antimicrobial 7287 per 2400 barrels of water continuously or as needed to maintain control.

INTERMITTENT or SLUG METHOD

When the system is noticeably fouled, or to maintain control of the system, add 10-80 ppm Antimicrobial 7287 (0.8-6.4 gal Antimicrobial 7287 per 2400 barrels of water) intermittently for 4-8 hours per day, and then 1-4 times per week, or as needed depending on the severity of contamination.

Addition of Antimicrobial 7287 may be made at the tree water flowline, before or after the injection pumps and injection well headlins.

NOTE: FOR CONTROL OF BACTERIA, YEAST, AND FUNGI IN AQUEOUS SOLUTIONS OR BIOPOLYMER USED IN FLOODING OPERATIONS, add 15-80 ppm Antimicrobial 7287 (1.2-6.4 gal Antimicrobial 7287 per 2400 barrels of water). Additions of Antimicrobial 7287 should be made with a metering pump. IMMEDIATELY after preparation of the aqueous biopolymer solution to prevent loss of viscosity.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

Add Antimicrobial 7287 to the basin (or any other point of uniform mixing). Addition should be made with a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the retention time in the system.

Optimum performance with this product is obtained by continuous or intermittent treatment. If "shock" treatment is used, the blowdown should be discontinued for 24-48 hours.

FOR CONTROL OF BACTERIA
Add 0.0095-0.0095 gal Antimicrobial 7287/1,000 gal of water in the system, depending on the severity of contamination.

INTERMITTENT or SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.0048-0.0095 gal Antimicrobial 7287/1,000 gal of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.0024-0.0095 gal Antimicrobial 7287/1,000 gal of water in the system every 4 days, or as needed to maintain control.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.0048-0.0095 gal Antimicrobial 7287/1,000 gal of water to the system. **SUBSEQUENT DOSE:** Maintain this level by pumping a continuous feed of 0.0095-0.0048 gal Antimicrobial 7287/1,000 gal of water in the system per day.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

FOR CONTROL OF FUNGI AND ALGAE

Add 0.029-0.095 gal Antimicrobial 7287/1,000 gal of water in the system depending on the severity of contamination.

INTERMITTENT or SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.048-0.095 gal Antimicrobial 7287/1,000 gal of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.029-0.095 gal Antimicrobial 7287/1,000 gal of water in the system daily, or as needed to maintain control.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.048-0.095 gal Antimicrobial 7287/1,000 gal of water to the system. **SUBSEQUENT DOSE:** Maintain this treatment level by pumping a continuous feed of 0.029-0.095 gal Antimicrobial 7287/1,000 gal of water in the system per day.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

AIR-WASHER SYSTEMS

Add 0.0015-0.095 gal ANTIMICROBIAL 7287/1,000 gal of water in the system, depending upon the severity of contamination to control slime-forming bacteria and fungi in industrial air-washer systems.

INTERMITTENT or SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.003-0.095 gal ANTIMICROBIAL 7287/1,000 gal of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.0015-0.047 gal ANTIMICROBIAL 7287/1,000 gal of water in the system every 2 days or as needed to maintain control.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.003-0.095 gal ANTIMICROBIAL 7287/1,000 gal of water in the system.

SUBSEQUENT DOSE: Maintain this level by pumping a continuous feed of 0.0015-0.047 gal ANTIMICROBIAL 7287/1,000 gal of water in the system per day.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

NOTE: For use only in industrial air-washer systems that maintain effective mist eliminating components.

PUBLICLY-OWNED TREATMENT WORKS

TO CONTROL COLIFORM AND OTHER BACTERIA

Add ANTIMICROBIAL 7287 at a concentration of 1.0 to 10.0 ppm by weight of water being treated, depending on the severity of contamination in the system. Addition should be CONTINUOUS and should be made with a metering pump at a point in the system where mixing will be rapid and thorough. Add Antimicrobial 7287 to the system in a location where contact time will be 30 minutes or greater before reaching the outfall.

TO USE AS A CO-TREATMENT WITH CHLORINE, Add 0.4-1.5 ppm ANTIMICROBIAL 7287 by weight of Water treated. Chlorination should result in a minimum detectable residual (i.e. greater than zero but less than the NPDES permit level). Addition should be CONTINUOUS and made at a point just after initial chlorine mixing. Rapid mixing is necessary for maximum effectiveness. ANTIMICROBIAL 7287 should be added at a location where contact time of 10 minutes or longer will be provided before reaching the outfall.

Notice: Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.



NOTICE

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

NOTIFICATION

Date Reviewed: _____
Reviewed By: _____

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with the labeling.

NOTE: ADD Antimicrobial 7287 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES. IN ORDER TO AVOID DECOMPOSITION OF Antimicrobial 7287 DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

PAPER MILLS

For the control of bacterial, fungal, and yeast growths in pulp, paper, and paperboard mills, add Antimicrobial 7287 at the rate of 0.15-0.50 lb/ton of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the severity of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution. Antimicrobial 7287 in the mass of fiber and water, such as the beater, Jordan inlet or discharge, broke chests, furnish chests, save alls, and white-water tanks.

HEAVILY FOULED SYSTEMS should be boiled out, then treated with 0.15-0.35 lb Antimicrobial 7287/ton of paper (dry basis), as necessary for control.

MODERATELY FOULED SYSTEMS should be treated continuously with 0.35-0.50 lb Antimicrobial 7287/ton of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 0.15-0.35 lb Antimicrobial 7287/ton of paper on a continuous or intermittent basis, as needed for control. Distorted slime may cause breaks in the paper and a clean-up of the paper machine may be advisable.

SLIGHTLY FOULED SYSTEMS should be treated continuously with 0.15-0.35 lb Antimicrobial 7287/ton of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

NOTIFICATION

Date Reviewed: 3-30-04

Reviewed By: J. P. King

HYDROTTESTING

Product is not registered for this use in California.

FOR CONTROL OF BACTERIA

Water used in hydrotest machines or vessels should contain 100 to 1000 ppm of ANTIMICROBIAL 7287 (0.1 to 1 gallon ANTIMICROBIAL 7287 per 1000 gallons water) depending on water quality and length of time the equipment will remain idle.

1/1/04